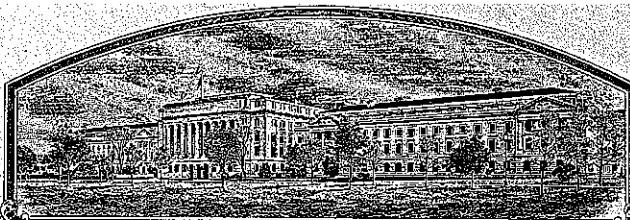


No.

200100051



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Plant Breeding and Acclimatization Institute

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

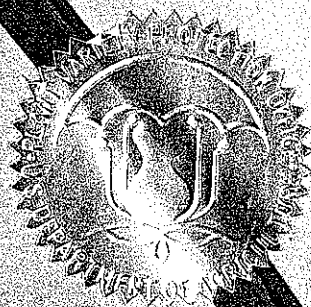
NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE SEED. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

TRITICALE

'Alzo'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twentieth day of September, in the year two thousand two.

Attest:



Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

REPRODUCE LOCALLY: Include form number and date on all reproductions

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

Application is required in order to determine if a plant variety protection certificate is warranted (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2421).

1. NAME OF OWNER

Plant Breeding and Acclimatization Institute

2. TEMPORARY DESIGNATION OR
EXPERIMENTAL NAME

Aizo

3. VARIETY NAME

'AIZO'

MAH
8/1/02

4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)

P.O. Box 1019, 00-950 Warszawa, Poland

5. TELEPHONE (include area code)

0-22 725-36-11

6. FAX (include area code)

0-22 725-47-14

7. FOR OFFICIAL
USE ONLY

PVPD NUMBER

FILING DATE

7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF
ORGANIZATION (corporation, partnership, association, etc.)

an institute of Polish government

8. IF INCORPORATED, GIVE
STATE OF INCORPORATION

9. DATE OF INCORPORATION

10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (This person listed will receive all papers)

Dr. George Fohner
Resource Seeds, Inc.
P.O. Box 1319
Gilroy, CA 95021

11. TELEPHONE (include area code)

408/847-1051

12. FAX (include area code)

408/847-0604

13. EMAIL

gfohner@resourceseeds.com

14. CROP KIND (Common Name)

Triticale

15. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)

- ☒ Exhibit A. Origin and Breeding History of the Variety
- ☒ Exhibit B. Statement of Distinctness
- ☒ Exhibit C. Objective Description of Variety
- ☒ Exhibit D. Additional Description of the Variety (Optional)
- ☒ Exhibit E. Statement of the Basis of the Owner's Ownership
- ☒ Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, veneration that tissue culture will be deposited and maintained in an approved public repository)
- ☒ Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)

16. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE FOR SALE AS A
CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act.☒ YES (If "yes", answer items 20
and 21 below)☐ NO (If "no", explain why)17. DOES THE OWNER SPECIFY THAT SEED OF THIS
VARIETY BE LIMITED AS TO NUMBER OF CLASSES?

IF YES, WHICH CLASSES?

☐ FOUNDATION☐ RECIPIENT☒ OTHER18. DOES THE OWNER SPECIFY THAT THE CLASSES BE
LIMITED AS TO NUMBER OF GENERATIONS?IF YES, SPECIFY THE
NUMBER 1, 2, 3, etc.☒ 2

FOUNDATION

☒ 1

RECIPIENT

☒ 2

(If additional explanation is necessary, please use the space indicated on the reverse)

19. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED
FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U.S. OR
OTHER COUNTRIES?☒ YES☐ NOIF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE
FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse)20. The owners declare that a viable sample of basic seed of the variety will be furnished with the application for a
tuber propagated variety a tissue culture will be deposited in a public repository and maintained for
The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety
and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF OWNER

DYREKTOR INSTYTUTU

☒ Prof. dr hab. Edward Arseniuk

NAME (Please print or type)

Edward Arseniuk

CAPACITY OR TITLE

Director General

DATE

11/20/00

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

1. NAME OF OWNER Plant Breeding and Acclimatization Institute		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME Alzo	3. VARIETY NAME
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) P.O. Box 1019, 00-950 Warszawa, Poland		5. TELEPHONE (include area code) 0-22 725-36-11	FOR OFFICIAL USE ONLY PVPO NUMBER 20010005 FILING DATE 12/26/2000
		6. FAX (include area code) 0-22 725-47-14	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) an institute of Polish government	8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION (First person listed will receive all papers) Dr. George Fohner Resource Seeds, Inc. P.O. Box 1319 Gilroy, CA 95021			FILING AND EXAMINATION FEES: \$ 2805.00 DATE 12/26/2000 CERTIFICATION FEE: \$ 320⁰⁰ DATE 7/31/02
11. TELEPHONE (Include area code) 408/847-1051	12. FAX (Include area code) 408/847-0604	13. E-MAIL george@resourceseeds.com	14. CROP KIND (Common Name) Triticale
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 63(a) of the Plant Variety Protection Act <input checked="" type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input type="checkbox"/> NO (If "no," go to item 22) 20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED 21. DOES THE OWNER SPECIFY THAT THE CLASSES BE LIMITED AS TO NUMBER OF GENERATIONS? IF YES, SPECIFY THE NUMBER 1, 2, 3, etc. <input checked="" type="checkbox"/> 2 FOUNDATION <input checked="" type="checkbox"/> 1 REGISTERED <input checked="" type="checkbox"/> 2 CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)	
24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties:			
SIGNATURE OF OWNER NAME (Please print or type) Edward Arseniuk		SIGNATURE OF OWNER NAME (Please print or type)	
CAPACITY OR TITLE Director General	DATE 11/20/00	CAPACITY OR TITLE	DATE

INSTRUCTIONS

2001000511

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,450 (\$300 filing fee and \$2,150 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$300 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvp.htm>

ITEM

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) evidence of uniformity and stability; and (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Planted for commercial use in Poland, autumn 1997 and in Lithuania, autumn 2000. Provided for non-commercial testing to Hungary and Lithuania in 1997, Slovak Republic in 1998, and Czech Republic in 1999.

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

Filed in Polish Cultivar Register in 1997 and in Lithuanian Cultivar Register in 2000

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter. Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audio tape, etc.) should contact the USDA Office of Communications at (202) 720-2791. To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal opportunity employer.

S&T-470 (6-98) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces STD-470 (03-96) which is obsolete.

‘ALZO’ TRITICALE

Exhibit A. Origin and breeding history of the variety.

Alzo triticale is the result of hybridization, and individual and bulk selection from the cross Ugo x MAH 9531-6 made in 1986. Ugo is a hexaploid triticale grown commercially in Europe. MAH 9531-6 is a breeding line in the triticale germplasm collection at the Malyszyn Plant Breeding Station of the Plant Breeding & Acclimatization Institute of Warsaw, Poland. A summary of the genealogy of Alzo traced back to publicly available varieties and accessions is outlined below.

Plant selections were made from the F_3 population in 1988 based on grain fill, positioning of spikes at uniform level, mid-short height, lack of leaf or head diseases, no sprouting. One of the resulting F_5 populations was selected on the basis of yield and the aforementioned traits in a "microtrial" in 1990. Seed from that selected F_5 population were then multiplied and over the next three generations were evaluated for yield, winter cold tolerance, tolerance to low pH, and resistance to sprouting. The variety resulting from the selected F_5 population was finally selected for release based on high yield, no lodging, tolerance or resistance to diseases of the leaf, spike, and crown, low or no reaction to environmental stress such as drought, and cold tolerance.

The variety has been observed to be uniform and stable over six generations of seed increases. The breeders in Poland have not reported any notable variants, and none have been reported during four years of seed multiplication in the U.S..

1. Genealogy of ALZO = MAH 1893 = MAH 17123-5 = (UGO x MAH 9531-6)
2. Ugo =[winter triticale 35/75-10 * winter triticale AD 206] * winter triticale CT-93/76]
3. MAH 9531-6 = (winter triticale Mo 8539 * winter triticale Mo 8457)
4. Mo 8539={winter triticale AD 206 * [(winter wheat Talent * winter rye K-C₁) * winter triticale 15/76-501]} * winter triticale ROD 138/77
5. Mo 8457 = [(winter triticale LT-350/74 * winter wheat Thatcher) * open pollination] * [(winter wheat Salzmunder Bartweizen * winter rye K-C₁) * (Pisarev * Bocolo)]
6. MAH 9531-6 was tested in preliminary experiment in 1986.

'ALZO' TRITICALE**Exhibit B. Statement of Distinctness**

Alzo triticale is most similar to the triticale variety, "Bogo". It differs from Bogo by being taller (Table B1), having higher test weight (Table B2) and higher kernel weight (Table B3). At harvest, the heads of Alzo are more horizontal, less recurved, than those of Bogo, which are semi-recurved. Under good growing conditions, seed of Alzo is smooth, while that of Bogo is slightly wrinkled.

NO. 100051

NO. 100051

5

'ALZO' TRITICALE**Exhibit B. Statement of Distinctness (continued)**

Table B1. Plant Height (inches)
Oregon State University Yield Trials

	Alzo	Bogo	LSD(0.05)
Corvallis 1998	58.3	55.1	2.8
Corvallis 1999	51	48	2
Corvallis(2) 2000	50.0	48.0	3.2

Table B2. Test Weight (lbs / bu)
Oregon State University Yield Trials

	Alzo	Bogo	LSD(0.05)
Corvallis 1998	58.2	52.7	1.6
Corvallis 1999	60.9	57.2	0.5
Corvallis 2000	60.3	56.6	0.6

Table B3. Thousand Kernel Weight (grams)
Oregon State University Yield Trials

	Alzo	Bogo	LSD(0.05)
Corvallis 1999	53.1	46.9	2.0
Corvallis 2000	41.9	38.0	2.5
Corvallis(2)2000	43.1	37.7	3.3

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN AND SEED DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Triticale)

OBJECTIVE DESCRIPTION OF VARIETY

TRITICALE

NAME OF APPLICANT(S) PLANT BREEDING AND ACCLIMATIZATION INSTITUTE	VARIETY NAME OR TEMPORARY DESIGNATION ALZO
ADDRESS (Street and No., or F.F.D. No., City, State, and ZIP Code) C/O RSI P.O. BOX 1319, GILROY, CA 95021	FOR OFFICIAL USE ONLY PVPO NUMBER 200100051

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in first box (e.g. or) when number is either 99 or less or 9 or less.

1. GROWTH HABIT:

<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	1 = SPRING	2 = INTERMEDIATE	3 = WINTER
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Juvenile Plant Growth:	1 = PROSTRATE	2 = SEMIPROSTRATE
		3 = ERECT	
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Photoperiod:	1 = INSENSITIVE	2 = SENSITIVE

2. PLOIDY:

<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	1 = HEXAPLOID	2 = OCTOPLOID	3 = OTHER (Specify) _____
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	2n CHROMOSOME NUMBER		

3. MATURITY (50% Flowering):

<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	1 = VERY EARLY	2 = EARLY	3 = MIDSEASON	4 = LATE	5 = VERY LATE
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	DAYS EARLIER THAN ..Celia.....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	1 = CARMACK	2 = ROSNER	3 = PATHFINDER
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	DAYS LATER THAN ..Presto.....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	4 = 6TA 204	5 = ARMADILLA	

4. HEIGHT:

<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	CM. HIGH	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	1 = DWARF	2 = SEMIDWARF	3 = SHORT
			4 = MIDTHALL	5 = TALL	
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	CM. SHORTER THAN ..Presto.....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	1 = CARMACK	2 = ROSNER	3 = PATHFINDER
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	CM. TALLER THAN ...Bogo.....	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	4 = 6TA 204	5 = ARAMADILLA	

5. PLANT COLOR AT BOOT STAGE:

<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	1 = YELLOW GREEN	2 = GREEN	3 = BLUE GREEN
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6. STEM:

<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Anthocyanin:	1 = ABSENT	2 = PRESENT
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Neck Hairiness:	1 = NONE	2 = SLIGHT
		3 = MODERATE	4 = HEAVY
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Shape Of Neck:	1 = STRAIGHT	2 = WAVY
		3 = OTHER (Specify) _____	

7. LEAVES:

<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Flag Leaf:	1 = NOT TWISTED	2 = TWISTED	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	CM. LEAF LENGTH: 1st Leaf Below Flag Leaf
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Waxy Bloom On Leaf At Boot:	1 = ABSENT	2 = PRESENT	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	MM. LEAF WIDTH: 1st Leaf Below Flag Leaf
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Leaf Carriage:	1 = UPRIGHT	2 = RECURVED	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Auricle Color: 1 = COLORLESS OR WHITE
		3 = DROOPING			2 = PURPLE
					3 = OTHER (Specify) _____

8. HEAD:

Density: 1 = LAX 2 = MIDDENSE 3 = DENSE
 Shape: 1 = FUSIFORM 2 = OBLONG 3 = CLAVATE 4 = ELLIPTICAL 5 = OTHER (Specify) _____
 Awnedness: 1 = AWNLESS 2 = APICALLY AWNLETTERED 3 = AWNLETTERED 4 = AWNED
 Awn Color: 1 = WHITE 2 = YELLOW 3 = TAN 4 = BROWN 5 = BLACK
 CM. HEAD LENGTH MM. HEAD WIDTH

9. GLUMES AT MATURITY:

Pubescence: 1 = GLABROUS 2 = SLIGHTLY PUBESCENT 3 = PUBESCENT
 Color: 1 = WHITE 2 = YELLOW 3 = TAN 4 = BROWN 5 = BLACK
 Length: 1 = SHORT 2 = MIDLONG 3 = LONG Width: 1 = NARROW 2 = MIDWIDE 3 = WIDE
 Shoulder: 1 = WANTING 2 = OBLIQUE 3 = ROUNDED Back: 1 = OBTUSE 2 = ACUTE 3 = ACUMINATE
 4 = SQUARE 5 = ELEVATED 6 = APICULATE

10. COLEOPTILE COLOR:

1 = WHITE 2 = GREEN 3 = PURPLE

11. SEED:

Shape: 1 = OVATE 2 = OVAL 3 = ELLIPTICAL
 Smoothness: 1 = SMOOTH 2 = SLIGHTLY WRINKLED 3 = WRINKLED
 Brush Area: 1 = SMALL 2 = MIDSIZE 3 = LARGE
 Brush Length: 1 = SHORT 2 = MIDLONG 3 = LONG
 Phenol Reaction: 1 = IVORY 2 = FAWN 3 = LIGHT BROWN 4 = BROWN 5 = BROWN BLACK
 Color: 1 = WHITE 2 = AMBER 3 = RED 4 = PURPLE 5 = BLACK 6 = OTHER (Specify) yellow
 GMS. PER 1,000 SEED

12. DISEASE (0 = Not Tested, 1 = Susceptible, 2 = Resistant, 3 = Tolerant):

<input type="checkbox"/> STEM RUST (Races) _____	<input type="checkbox"/> LEAF RUST (Races) _____
<input type="checkbox"/> STRIPE RUST (Race) _____	<input type="checkbox"/> ERGOT
<input type="checkbox"/> POWDERY MILDEW _____	<input type="checkbox"/> BACTERIAL STRIPE
<input type="checkbox"/> SEPTORIA	<input type="checkbox"/> YELLOW DWARF
<input type="checkbox"/> OTHER (Specify) _____	<input type="checkbox"/> OTHER (Specify) _____

13. INSECT (0 = Not Tested, 1 = Susceptible, 2 = Resistant, 3 = Tolerant):

<input type="checkbox"/> GREENBUG	HESSIAN FLY RACE:			
<input type="checkbox"/> CEREAL LEAF BEETLE	<input type="checkbox"/> GP	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C
<input type="checkbox"/> OTHER (Specify) _____	<input type="checkbox"/> D	<input type="checkbox"/> E	<input type="checkbox"/> F	<input type="checkbox"/> G

14. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED:

20010005 11

CHARACTER	VARIETY
PLANT TILLERING	Presto
WINTER HARDINESS	Presto
AREA OF ADAPTATION	Bogo
SEED SHAPE	

REFERENCES:

L. W. Briggie and L. P. Reitz, 1963, Classification of Triticum Species and Wheat Varieties Grown in the United States, Technical Bulletin 1278, USDA.

W. E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, Contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts.

COMMENTS:

'ALZO' TRITICALE**Exhibit D. Additional description of the variety.**

Alzo triticale is an awned, winter-type triticale for grain production in the Northwest and Northeast USA. Its juvenile growth is semi-prostrate. Coleoptiles have anthocyanin coloration. Leaves have a waxy-bloom at booting. Neck is straight and glabrous.

Spikes of Alzo are horizontal at harvest, fusiform, and dense to mid-dense. Glumes are white. Seeds are red to yellowish, elliptical, and smooth.

Alzo is approximately 135 cm under favorable though not luxuriant growing conditions, approximately 6 cm taller than Bogo triticale.

Alzo reaches 50% flowering at approximately the same date as Bogo.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE**EXHIBIT E**
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) Plant Breeding and Acclimatization Institute	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER Alzo	3. VARIETY NAME Alzo
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) P.O. Box 1019, 00-950 Warszawa, Poland	5. TELEPHONE (include area code) 0-22 725-36-11	6. FAX (include area code) 0-22 725-47-14
7. PVPO NUMBER 200100051		

8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain.

☒ YES☐ NO

9. Is the applicant (individual or company) a U.S. national or U.S. based company?

If no, give name of country Poland

☐ YES☒ NO

10. Is the applicant the original owner?

☒ YES☐ NO

If no, please answer one of the following:

a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)?

☐ YES☐ NO

If no, give name of country

b. If original rights to variety were owned by a company(ies), is(are) the original owner(s) a U.S. based company?

☐ YES☐ NO

If no, give name of country

11. Additional explanation on ownership (if needed, use reverse for extra space):

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.